

LATITUDE 39°25'00"

11,466'

3,339' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°52'30"

4,542' TO BOTTOM HOLE

1,308.1'

LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Pierson Unit 4H

CARL W. ASH LEASE

WELL 4H  
BOTTOM HOLE

3 WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF CENTER OF PAD

WELL NO. 4H

4H BOTTOM HOLE

NORTH ZONE  
GRID NORTH

JOSEPH McGRAY  
D.B. 352 PG. 440  
T.M. 12 PAR. 11.1  
61.79 AC. ±

JOSEPH McGRAY  
D.B. 352 PG. 440  
T.M. 12 PAR. 31  
240.81 AC. ±

MOUNTAINEER LD  
& TIMBER CO.  
D.B. 355 PG. 273  
T.M. 12 PAR. 11  
65 AC. ±

WILMA J. HOWARD  
ET AL  
LEASE

MOUNTAINEER LD  
& TIMBER CO.  
D.B. 355 PG. 273  
T.M. 12 PAR. 26  
210.37 AC. ±

BRYAN KUNGLE  
D.B. 308 PG. 438  
T.M. 12 PAR. 17.2  
18 AC. ±

BRYAN KUNGLE  
D.B. 308 PG. 438  
T.M. 12 PAR. 17.1  
11.11 AC. ±

MOUNTAINEER LD  
& TIMBER CO.  
D.B. 355 PG. 273  
T.M. 12 PAR. 27  
28 AC. ±

BRYAN KUNGLE  
D.B. 308 PG. 438  
T.M. 12 PAR. 17  
65.81 AC. ±

GARY DAWSON  
D.B. 274 PG. 114  
T.M. 12 PAR. 25  
59 AC. ±

DAVID BOWYER  
D.B. 362 PG. 411  
T.M. 12 PAR. 9  
137.50 AC. ±

KARLA R. SPENCER LEASE

KARLA SPENCER  
D.B. 316 PG. 496  
T.M. 12 PAR. 9.1  
61.89 AC. ±

KARLA SPENCER  
D.B. 316 PG. 496  
T.M. 12 PAR. 9.4  
8.88 AC. ±

GARY DAWSON  
D.B. 351 PG. 506  
T.M. 15 PAR. 27  
35 AC. ±

GARY D. DAWSON  
ET UX  
LEASE

GARY DAWSON  
D.B. 307 PG. 268  
T.M. 15 PAR. 01  
104.27 AC. ±

COASTAL FOREST  
RESOURCES CO.  
D.B. 324 PG. 95  
T.M. 15 PAR. 28  
108 AC. ±

WARREN SUKER JR.  
D.B. 286 PG. 330  
T.M. 12 PAR. 14  
50.7 AC. ±

ROBERT C. DEAN  
LEASE



**NOTES:**  
**WELL 4H TOP HOLE INFORMATION:**  
 N: 323,757ft E: 1,611,655ft  
 LAT: 39°22'50.71" LON: 80°52'26.03"  
**BOTTOM HOLE INFORMATION:**  
 N: 332,352ft E: 1,608,136ft  
 LAT: 39°24'15.11" LON: 80°53'12.53"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 4H TOP HOLE INFORMATION:**  
 N: 4,359,047m E: 510,875m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,361,647m E: 509,760m

- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
  2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # 16-043WA  
 DRAWING # PIERSON4HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

**LEGEND**  
 - - - - - Surface Owner Boundary Lines +/-  
 - - - - - Interior Surface Tracts +/-  
 - - - - - Proposed Well Path  
 - - - - - As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202

DATE 08/29/2018

OPERATOR'S WELL# PIERSON UNIT #4H

API WELL # 47 - 095 - 02416  
 STATE COUNTY PERMIT

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION  
 OF ENVIRONMENTAL PROTECTION,  
 OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO  
 WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,009' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
 QUADRANGLE SHIRLEY 7.5' (TH) MIDDLEBOURNE 7.5' (BH) DISTRICT CENTERVILLE COUNTY TYLER

SURFACE OWNER GARY D. DAWSON ET UX ACREAGE 104.27 ACRES +/-  
 OIL & GAS ROYALTY OWNER GARY D. DAWSON ET UX; CARL ASH; KARLA R. SPENCER; LEASE ACREAGE 104.27 AC±; 37 AC±; 85.2 AC±;  
 DAVID E. BOWYER; WILMA J. HOWARD ET AL; CARL W. ASH 137.5 AC±; 239 AC±; 362.8 AC±

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL   
 (SPECIFY) AS DRILLED PLUG & ABANDON  CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,451' TVD 15,898' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT

NOT TO SCALE

